United States Department of Agriculture | Forest Service | NA-Morgantown

File Code: 3410 Date: October 10, 1995
Route To:

Subject: Cherry Scallop Shell Moth Damage

To: Forest Supervisor, Allegheny NF

On September 6-7, 1995, Patricia Gundrum, Pathologist, and I ground checked seven areas of the Bradford Ranger District. (See attached map.) These areas were indicated to have moderate to heavy cherry scallop shell moth damage by the aerial survey conducted by the state of Pennsylvania.

1) There was no general defoliation or discoloration observed in this area. There was approximately one acre of sourgum (Nyssa sylvatica) at the base of the Rimrock overlook affected by a shield bearer moth, tubelo leafminer (Antispila nysaefoliella).

2) This area had a very light scattering of overstory oak (Quercus sp.) that was dying, and a general scattering of understory red maple (Acer rubrum) discolored and wilted. Probable cause of the oak decline was previous years of defoliation by gypsy moth (Lymantria dispar) and the current drought conditions. Red maple contained Phyllosticta leaf spot as well as other foliar spots that may be attributed to the presence of opportunistic saprophytes. The red maple foliage appeared, overall, very lackluster and wilted. The leaves from afar appeared to be prematurely senescing. The red maple's condition was probably brought on by drought.

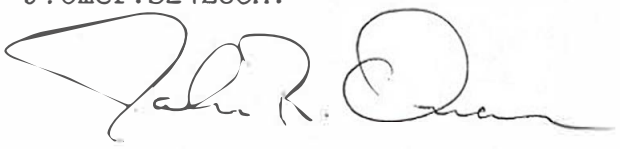
3) This was not indicated as a problem area on the aerial defoliation sketch map. Discoloration and new mortality were observed from the ground. Many of the sugar maple (Acer saccharum) in this area had dried leaves hanging on the twigs. The leaves were not chloratic or necrotic (brown), but appeared to be suffering from a possible vacular wilt problem. There were noticeable signs of previous branch cankers that had callused. Although there was suspicion of twig borer damage, no current signs were evident. The petioles were necrotic closest to the leaf blade, which suggested possible infection of petiole by a pathogen. In the lab the petioles were flamed and plated on potato dextrose agar. After five days, several pure cultres of fungi appeared. All of the fungi observed appeared to be either epiphytes or saprophytes. Some of them included identifiable Epicoccum sp., Alternaria sp., and Sporobolomyces sp. Further examination in the spring will bring to light a possible continuing problem.

4) The sweet birch (Betula leuta) in this area had premature leaf yellowing and leaf drop. The probable cause were the drought conditions. No insect or disease damage was observed.

5) The western half of this area was recently logged and the downed tops had turned brown giving the appearance of cherry scallop shell moth damage. The eastern half was an area previously logged, with cherry sapling regeneration. This regeneration area had moderate cherry scallop shell moth damage.

6&7) These areas had light and moderate cherry scallop shell moth damage, respectfully.

If you have any questions, please contact me at (304) 285-1544 or DG: J.Omer:S24L08A.

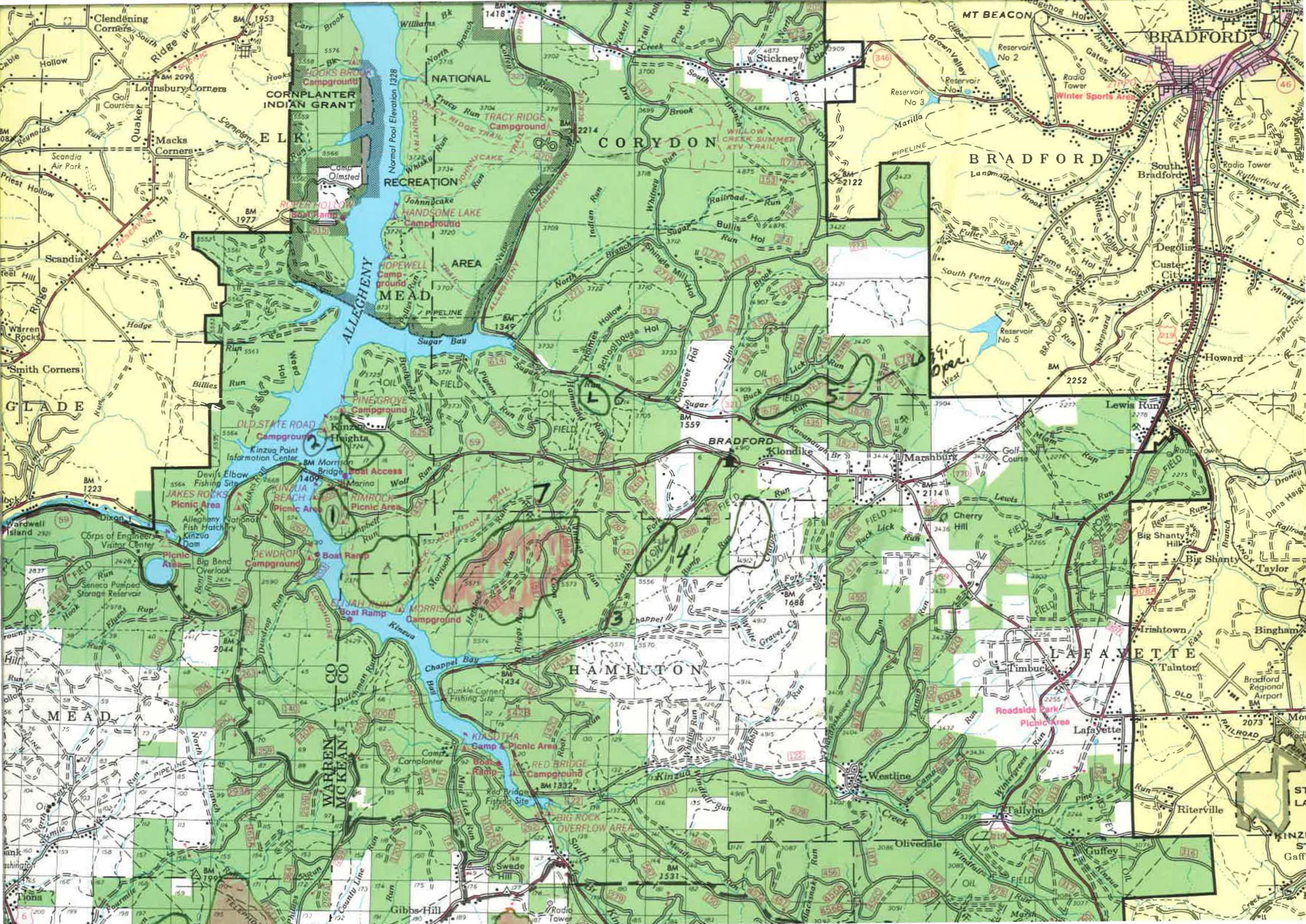


JOHN R. OMER
Entomologist
Forest Health Protection

Attachments

cc: S.Kobielski, Bradford RD
R.White, SO

JRO/mae


Clendening Corners
Lounsbury Corners
Macks Corners
Scandia
Smith Corners
Warren Rocks
Scandia Air Park
Golf Courses
CORNPLANTER INDIAN GRANT
ELK
GLADE
MEAD
NATIONAL
RECREATION
AREA
CORYDON
HAMILTON
LAFAYETTE
BRADFORD
MT BEACON
Stickney
Klondike
Marshburg
Howard
Lewis Run
Custer City
Degolia
South Bradford
Bradford Regional Airport
Winter Sports Area
Reservoir No 2
Reservoir No 3
Reservoir No 5
Radio Tower
ALLEGHENY
Normal Pool Elevation 1328
Sugar Bay
Chappel Bay
Kinzua
Kinzua Heights
Kinzua Point Information Center
Corps of Engineers Visitor Center
Kinzua Dam
Allegheny National Fish Hatchery
Seneca Pumped Storage Reservoir
Devils Elbow Fishing Site
Dunkle Corners Fishing Site
Red Bridge Fishing Site
Camp Olmsted
Camp Carnplanter
Camp & Picnic Area
Boat Ramp
Boat Access
Marina
Campground
Picnic Area
Overlook
Roadside Park
Golf Course
Radio Tower
Overflow Area
Fishing Site
Gibbs Hill
Swede Hill
Big Shanty Hill
Cherry Hill
Timbuck
Talntor
Trishtown
Bingham
Taylor
Lafayette
Westline
Tallyho
Olivedale
Guffey
Riterville
Tiona
Dixon
Wardwell Island
Devils Elbow
Big Bend Overlook
Dewdrop Run
Seneca Run
Kinzua Beach
Jakes Rocks
Rimrock
Old State Road
Pine Grove
Hopewell
Handsome Lake
Beaver Hollow
Tracy Ridge
Willow Creek Summer ATV Trail
Johnnycake
Whisky Run
Allegheny Trail
Bradford Run
Sugar Run
Indian Run
Whitney Run
Railroad Run
Bullis Run
Shingle Mill Hol
Conover Hol
School House Hol
Crooker Hol
Tome Hol
Fuller Brook
Brown Valley Run
Marilla
Pipeline
Oil Field
Gravel Co
Warren
McKean
Co
Co
Elk
Mc
Kean
Warren
Mc
Kean